MMEERSET Stations and the Blue Economy

September 3, 2019

Company representative:
Kent Satterlee, Executive Director GORI
Company name:
Gulf Offshore Research Institute (GORI)

IP position:
N/A

Not-for-profit 501(c)3
Team

Kent Satterlee – Executive Director and Board Member
Retired Shell, Civil/Environmental Engineer, Policy & Government Affairs

Rob Fondren – Board President
Real Estate Developer, Executive Fondren Foundation,
Walter Fondren (Father) founded the Coastal Conservation Association (CCA)

Patrick Murray – Board Vice President
President CCA

Dr. Greg Stunz – Board Member
Harte Research Institute Professor, Fisheries
Problem:
- Platform abandonment liability
- Ecological loss
- Demand for offshore real-estate

Solution:
- Oil & Gas Operator
- Platform Tenants
- GORI (Landlord)
Why Now?

Energy and Ocean Policies are Aligned

Half the Platforms Are Gone

Being Removed at 175/Year
Idea in Brief

Remove $$$

Or

Not-for-Profit

Re-purpose $

For Profit

O&G Companies

Platforms

Training

Science Research and Restoration

Blue Tech

Aquaculture (for profit)

ORE (for profit)

M M EERSET Station 1
Potential Locations for MMEERSET Stations
MMEERSET Station

- Heliport
- Living Quarters/Laboratory
- Water Treatment
- Diesel Tank
- Crane
- Generator
- Research/Monitoring Equipment
- ROV
- Ocean glider and submersible launch station
- Monitoring Array
- Pipeline (flushed & capped)
- Subsea laboratory
- Buoy Array

9/3/2019
MMEERSET Seafloor Docking Stations – Blue Tech

- Seafloor Docking Station
- MMEERSET Station
- 30 miles
- Power and data cable
- Buoy docking station
- Seaﬂoor

Gulf Offshore Research Institute

9/3/2019
Suction Piles

W.D. = 230 meters

Hurricane Wave Height

Floating Position

Submerged Position

Seafloor

Synthetic Wire Rope

Offshore Platform

Offshore Renewable Energy (ORE)

OFFSHORE AQUACULTURE
ELEVATION VIEW
Markets Size

U.S. Ocean Economy / Blue Tech

- $352 Bln
  - In 2014
  - Growing at 5.7%

MMEERSET
Post-spill GOM Restoration

- NRDA $1 Bln
- RESTORE $0.8 Bln
- NAS $0.5 Bln
- NFWF $2.5 Bln

- $4.8 Bln Total

U.S. Offshore Aquaculture

Norway Aquaculture

- 61 NOK
  - In 2017
  - $7 Bln

- $0

Over 90 percent of the seafood in the United States is imported, 50 percent of which is derived from aquaculture.
• GORI and Excipio will assist Peregrine Oil and Gas in converting two of its platforms

• Alt Use RUE Request (30 CFR 585 Subpart J) filed with BOEM
Alternative Uses for PN 975/969

- Offshore Renewable Energy
- Gulf of Mexico Snapper and other reef fish studies
- Harte Research Institute acoustic arrays
- NOAA NRDA Open-ocean Restoration for BP oil spill
- Autonomous Underwater Vehicle operations
- National Oceanographic Partnership Program (NOPP)
- NOAA and State of Texas oil spill monitoring
- RESTORE Council restoration
- Offshore aquaculture (fish farming)
# PNI 975/969 MMEESET Station and ORE Schedule

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<td><strong>Submit Alt Use RUE Request</strong></td>
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<td><strong>Begin Operations</strong></td>
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Thank You

Contact:
kent@gulfoffshoreresearch.com
Idle Iron Status – From BSEE Data

- 90% of GOM platforms on expired leases are in overtime (> 1 year)
- Range is 30 days to 5000 days
- Median is 900 days
- PN 975/969 are at 1500 days
- Western GOM platforms are generally in overtime longer
- 14 platforms are held by RUE